

**METHODS OF DETECTING
POLY(ADP-RIBOSE) POLYMERASE ENZYMATIC ACTIVITY**

ABSTRACT

- 5 The invention provides methods for assaying poly(ADP-ribose) polymerase
(PARP) activity and methods for the identification of modulators of PARP activity. These
methods comprise contacting immobilized PARP with NAD under conditions that allow
PARP auto-ribosylation, contacting the auto-ribosylated PARP with a detectable marker
10 to form a complex and then indirectly or directly measuring the amount of detectable
marker bound to the auto-ribosylated PARP, this amount being indicative of PARP
activity.

2025-01-10 10:00:00